

Lets create a Database

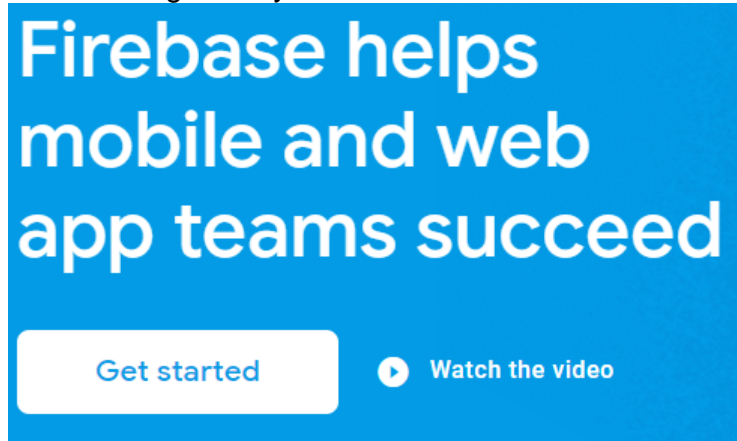
Before doing these Steps make sure you have a Google Account if not Sign Up as Firebase is provided by Google.

Step 1

[Lets go to Firebase 27](#)

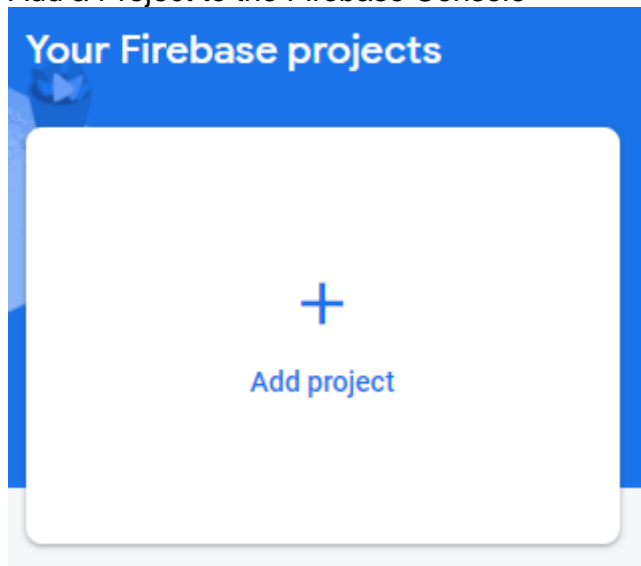
Step 2

Click on Get Started, if you haven't logged in to Google Account, you will be redirected to Sign In to Google Account Page else you will be redirected to Firebase Console.



Step 3

Add a Project to the Firebase Console



Step 4

Enter a Project Name and press Continue

×

Create a project (Step 1 of 3)

Let's start with a name for your project[?]

Enter your project name

Project name is required

my-awesome-project-id

Continue

Creating and Connecting our own Database to Firebase700×550 17.6 KB

Step 5

You can Allow Google Analytics in your Firebase Project


×


Create a project (Step 2 of 3)


Google Analytics
for your Firebase project


Google Analytics is a free and unlimited analytics solution that enables targeting, reporting, and more in Firebase Crashlytics, Cloud Messaging, In-App Messaging, Remote Config, A/B Testing, Predictions, and Cloud Functions.


Google Analytics enables:


 A/B testing[?]

 User segmentation & targeting across Firebase products[?]

 Predicting user behavior[?]

 Crash-free users[?]

 Event-based Cloud Functions triggers[?]

 Free unlimited reporting[?]

☒ Enable Google Analytics for this project
Recommended

Previous

Continue


Creating and Connecting our own Database to Firebase632×590 27 KB


Step 6

× Create a project (Step 3 of 3)

Configure Google Analytics

Choose or create a Google Analytics account [?](#)

 Default Account for Firebase ▼

Automatically create a new property in this account 

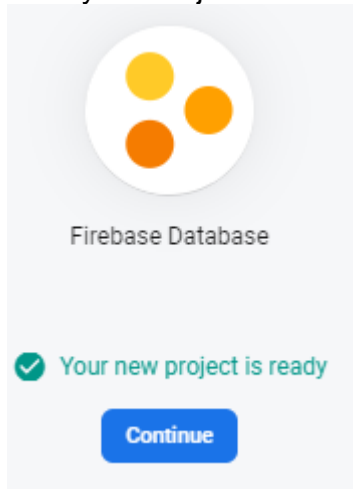
Upon project creation, a new Google Analytics property will be created in your chosen Google Analytics account and linked to your Firebase project. This link will enable data flow between the products. Data exported from your Google Analytics property into Firebase is subject to the [Firebase terms of service](#), while Firebase data imported into Google Analytics is subject to the [Google Analytics terms of service](#). [Learn more](#).

[Previous](#)

Create project

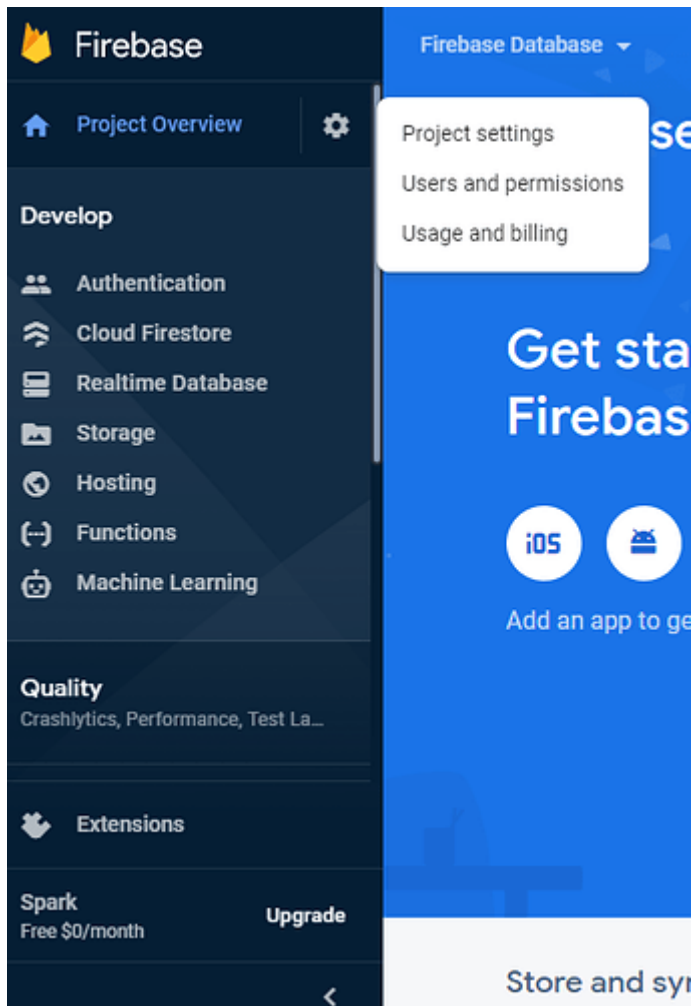
Step 7

After your Project is created, click on Continue



Step 8






On the Left Panel, next to Project Overview, Click on the Settings Icon, and then click on Project Settings.



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Step 9

Copy the Web API and Paste it on Firebase Token

Project name	Firebase Database 
Project ID 	fir-database-24382
Project number 	829354864713
Default GCP resource location 	Not yet selected 
Web API Key	AlzaSyA5EA5gHLImKMnaPDpXmdG5FQ0VreAPbZA

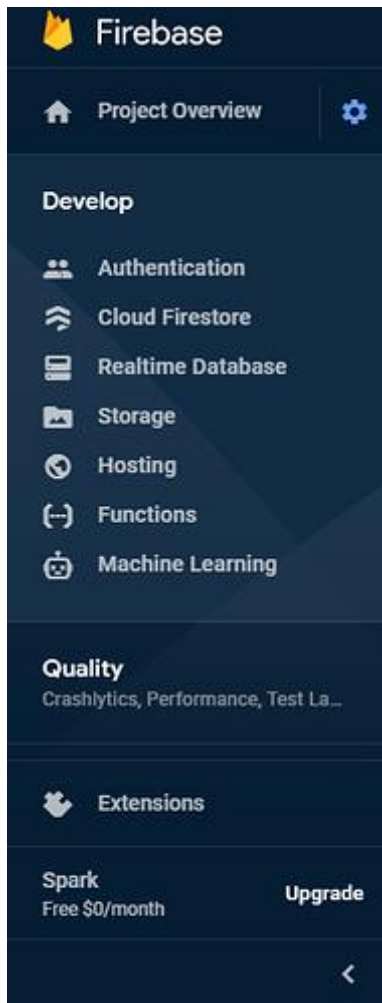
Public settings

These settings control instances of your project shown to the public

Public-facing name 	project-829354864713 
Support email 	Not configured 

Step 10

Click on Realtime Database



246×649 22.7 KB

Step 11

Click on Create Database



Creating and Connecting our own Database to Firebase1007×319 75.3 KB

Step 12

Enable in the Test mode better than locked mode.

Security rules for Realtime Database

Once you have defined your data structure you will have to write rules to secure your data.

[Learn more](#)

☒ **Start in locked mode**
Make your database private by denying all reads and writes

☐ **Start in test mode**
Get set up quickly by allowing all reads and writes to your database. Client read/write access will be denied after 30 days if security rules are not updated

```

{
  "rules": {
    ".read": false,
    ".write": false
  }
}

```

i All third party reads and writes will be denied

Cancel
Enable

Creating and Connecting our own Database to Firebase786×396 28.2 KB

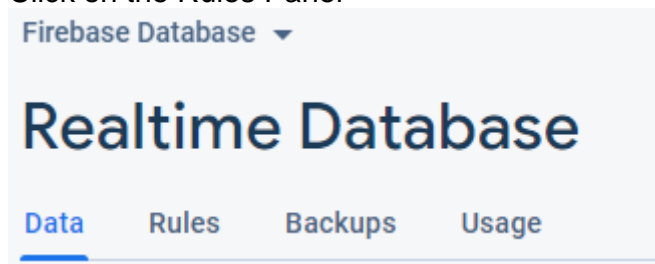
Step 13

You may choose the Location of the Project Bucket or Firebase may not prompt you.

IMPORTANT: Don't Change USA default location. AI2 have issues with other region.

Step 14

Click on the Rules Panel



Step 15

We need to edit the rules the current rules says that Firebase will not let the device to store or retrieve the data so, set the rules as follows bellow

```

{
  "rules": {
    ".read": true,
    ".write": true
  }
}

```

Step 16

Click on Publish

```
Unpublished changes | Publish Discard

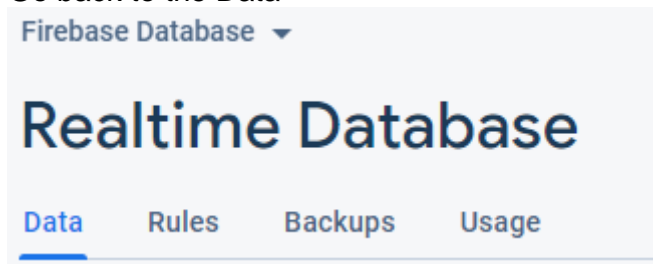
1 {
2   "rules": {
3     ".read": true,
4     ".write": true
5   }
6 }
```

Now Firebase will allow users
To Store or Append - write
Retrieve - Read

You may now get a warning saying that
“Your security rules are defined as public, so anyone can steal, modify, or delete data in your database”
This is because we have now let the users have the full control over Database but they will have the control only if we give them in the app.

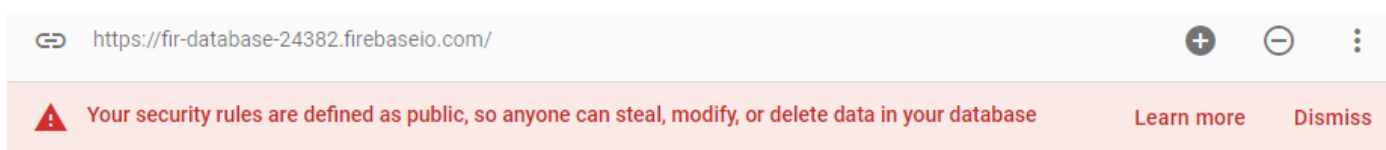
Step 17

Go back to the Data



Step 18

Over there copy the link,



fir-database-24382: null

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And Paste it in the Firebase URL is the Designer.

Step 19

Enjoy, we have created and connected our Database to our App

Now all the Data is in your Project and you can control them and we have solved 50% of the issue of Firebase Append Error.

Structure of the Firebase Database

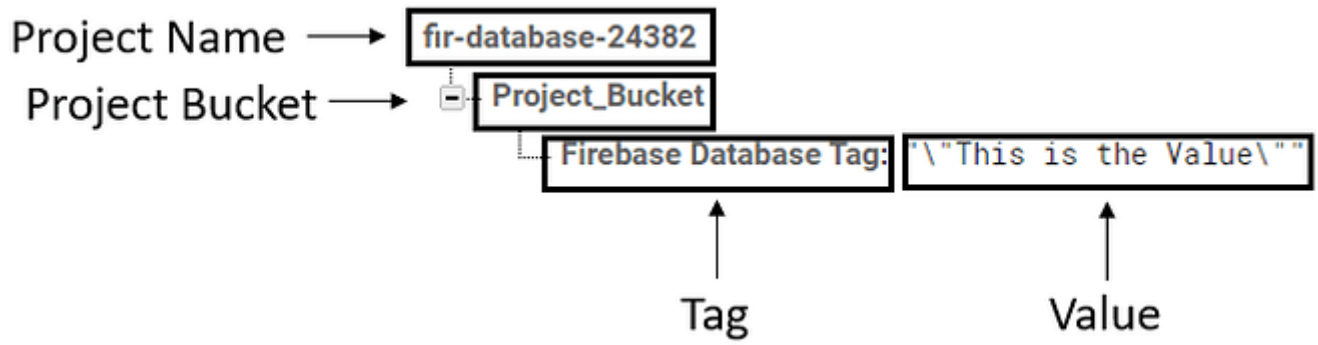


image705x198 19.3 KB

Whenever the Data Changes, the new value is appeared as green text and goes of.

